

BRUHAT BANGALORE MAHANAGARA PALIKE
Byatarayanapura Division

Package -03, includes 4 works of 249.00 lakhs

Name of Work: 1.Improvements to CA Sites Providing Chain Link Fencing in Coffee Board Layout and Surrounding areas In Ward No. 07, Byatarayanapura. 2. Improvements to CA Sites Providing Chain Link Fencing in Jakkur, Jakkur Layout and Surrounding areas In Ward No. 07, Byatarayanapura. 3. Estimate for Improvements to Roads and footpath Vinayaka Layout 1st Stage, Vinayaka Layout 2nd Stage and Amrutnagar in Ward No. 07, Byatarayanapura. 4. Construction and Improvements of Toilets in Sahakaranagar, Byatarayanapura Surroundings areas in Ward No. 07, Byatarayanapura.
 Job Code :- 007-18-000017, 007-18-000018, 007-18-000009, 007-18-000015, 28581
 14th Finance P-3292, P-3292, 3296, 3294, 14 Finance Commission Works

Modified Estimate

BOQ Item No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 Page No. 142 / Item No. 19.1, PWD SR 2018-17								
	For coffee board layout park - neat to milk booth - park-1	Cu-m	1	174.00	1.00	1.00	174.00		
	park-2		1	78.00	1.00	1.00	78.00		
	For path way maintenance old park in coffe board layout								
	For path Way park 1		1	30.00	2.50	0.20	15.00		
			1	30.00	2.00	0.20	12.00		
	For path Way park 2		1	370.00	2.00	0.20	148.00		
						A	427.00		
	EDGA Ground - for foundation								
	For solid block compound		1	38.00	0.90	0.90	30.78		
	For chain link fencing compound		1	34.00	0.90	0.90	27.54		
	water tank- sump		1	3.50	3.50	2.00	24.50		
	For laying pavers for prayer hall		1	33.00	25.00	0.15	123.75		
	For jakkur hospital								
	Solid block hospital- LHS Side and front side		1	14.00	0.90	0.90	11.34		
			1	10.00	0.90	0.90	8.10		
			1	12.00	0.90	0.90	9.72		
	water tank-sump		1	3.00	2.00	2.00	12.00		
			1	14.00	0.90	0.90	11.34		
	Jakkur Muslim Colony- CC Road								
	4th cross road		1	15.00	3.45	0.30	15.53		
			1	15.00	2.90	0.30	13.05		
			1	13.00	3.00	0.30	11.70		
	CROSS ROAD		1	15.00	3.70	0.30	16.65		
			1	3.50	3.20	0.30	3.36		
	3RD Cross road		1	15.00	4.40	0.30	19.80		
			1	15.00	4.50	0.30	20.25		
			1	15.00	3.95	0.30	17.78		
			1	15.00	3.10	0.30	13.95		
			1	15.00	2.60	0.30	11.70		
			1	11.00	2.85	0.30	9.41		
	cross road		1	15.00	2.60	0.30	11.70		
			1	13.00	2.60	0.30	10.14		
	RCC drain						0.00		
			2	15.00	0.75	0.75	16.88		
			2	15.00	0.75	0.75	16.88		
			2	11.00	0.75	0.75	12.38		
			2	15.00	0.75	0.75	16.88		
			2	24.00	0.75	0.75	27.00		

	culverts								
	Amruthalli - Near Shiva Temple	2	5.00	0.90	0.90	8.10			
	Over Burdan Earth	2	20.00	0.70	0.60	16.80			
		4	10.00	0.60	0.50	12.00			
		3	9.00	0.75	0.60	12.15			
	Desilting of drains -								
	Vinayaka Layout- 1stage				B	573.13			
	1st A cross								
	2nd A cross	2	80.00	0.45	0.45	32.40			
	3rd A cross	2	80.00	0.45	0.45	32.40			
	4th A cross	2	110.00	0.45	0.45	44.55			
	5th cross	2	110.00	0.45	0.45	44.55			
	6th cross	2	36.00	0.45	0.45	14.58			
	RCC DRAIN	2	33.00	0.45	0.45	13.37			
	1st main road								
	culverts	2	229.00	1.00	0.90	412.20			
	Road work	2	6.00	2.00	1.20	28.80			
	1st A cross								
		5	10.00	2.00	0.20	20.00			
	2nd A cross	10	5.00	2.00	0.20	20.00			
		15	5.00	1.50	0.20	22.50			
	3rd A cross	20	6.00	2.50	0.20	60.00			
		15	4.50	2.00	0.20	27.00			
	4th A cross	10	2.50	2.00	0.20	10.00			
		15	3.00	3.00	0.20	27.00			
	5th cross	20	2.50	3.00	0.20	30.00			
		15	3.00	2.50	0.20	22.50			
	6th cross	10	2.50	3.00	0.20	15.00			
		20	3.00	3.50	0.20	42.00			
	Rcc Drain								
	1st Main road Chinnappa								
	Layout	2	173.00	1.10	0.85	323.51			
	1st Cross Road Chinnappa								
	Layout	2	45.00	1.10	0.85	84.15			
	Over Burdan Earth								
	1st Cross Road Chinnappa								
	Layout	9	2.50	0.70	0.80	12.60			
	13th A Cross Extension Road								
	Gopalappa Layout	8	2.80	0.70	0.55	8.62			
	12th A Cross Extension Road								
	Gopalappa Layout	8	2.50	0.65	0.60	7.80			
					C	1,355.53			
	Compound Wall	1	30.00	0.80	0.75	18.00			
	Over Burdan Earth	0	4.00	0.70	0.65	0.00			
		0	8.00	0.80	1.00	0.00			
					D	18.00			
					A+B+C+D	2,373.65	200.00	4,74,730.80	
2	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. specification. No. KBS Page No. 5 / Item No. 2.15 of PWD SR 2016-17								
	Soling For Chain Link	Cu-m	1	174.00	0.90	0.30	46.98		
	Fencing		1	78.00	0.90	0.30	21.06		
						A	68.04		
	EDGA Ground - for								
	foundation								
	For solid block compound	1	38.00	0.90	0.15	5.13			
	For chain link fencing	1	34.00	0.90	0.15	4.59			
	compound								
	For jakkur hospital								
	Solid block hospital- LHS	1	14.00	0.90	0.15	1.89			
	Side and front side								

			1	10.00	0.90	0.15	1.35		
			1	12.00	0.90	0.15	1.62		
	Amruthalli - Near Shiva Temple		1	45.00	0.90	0.15	6.08		
						B	20.66		
						A+B	88.70	2,500.00	2,21,737.50
3	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No. 12/I.No. 4.2 of CSR 2016-17)								
	Bed Concrete For Chain Link Fencing	Cu-m	1	174.00	0.90	0.15	23.49		
			1	78.00	0.90	0.15	10.53		
						A	34.02		
	EDGA Ground - for foundation								
	For solid block compound		1	38.00	0.90	0.15	5.13		
	For chain link fencing compound		1	34.00	0.90	0.15	4.59		
	water tank- sump		1	3.50	2.00	0.15	1.05		
	For jakkur hospital								
	Solid block hospital- LHS Side and front side		1	14.00	0.90	0.15	1.89		
			1	10.00	0.90	0.15	1.35		
			1	12.00	0.90	0.15	1.62		
			1	3.00	2.00	0.15	0.90		
			1	14.00	0.90	0.15	1.89		
	Jakkur Muslim Colony- CC Road								
	4th cross road		1	15.00	3.45	0.15	7.76		
			1	15.00	2.90	0.15	6.53		
			1	13.00	3.00	0.15	5.85		
	CROSS ROAD		1	15.00	3.70	0.15	8.33		
			1	3.50	3.20	0.15	1.68		
	3RD Cross road		1	15.00	4.40	0.15	9.90		
			1	15.00	4.50	0.15	10.13		
			1	15.00	3.95	0.15	8.89		
			1	15.00	3.10	0.15	6.98		
			1	15.00	2.60	0.15	5.85		
			1	11.00	2.85	0.15	4.70		
							0.00		
	cross road		1	15.00	2.60	0.15	5.85		
			1	13.00	2.60	0.15	5.07		
	RCC drain								
			2	15.00	0.75	0.15	3.38		
			2	15.00	0.75	0.15	3.38		
			2	11.00	0.75	0.15	2.48		
			2	15.00	0.75	0.15	3.38		
			2	24.00	0.75	0.15	5.40		
	culvert bottom		2	5.00	0.90	0.15	1.35		
	Amruthalli - Near Shiva Temple								
			1	45.00	0.90	0.15	6.08		
			2	18.00	0.75	0.15	4.05		
						B	135.40		
	RCC Drain bottom								
	RCC DRAIN								
	1st main road		2	229.00	0.90	0.15	61.83		
	Culvert		2	6.00	2.00	0.15	3.60		
	RCC DRAIN								
	1st Main road Chinnappa Layout		2	173.00	0.90	0.10	31.14		
	1st Cross Road Chinnappa Layout		2	45.00	0.90	0.10	8.10		

B. S Drain							
1st Cross Road							
2nd Cross Road		2	110.00	0.45	0.10	9.90	
		2	150.00	0.45	0.10	13.50	
					C	128.07	
		1	30.00	0.80	0.15	3.60	
					D	3.60	
					A+B+C+D	301.09	
4	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 Page No. 23 / Item No. 5.6, PWD SR 2016-17						
	Foundation For Chain Link Fenicing	Cu-m	1	174.00	0.75	0.60	78.30
			1	78.00	0.75	0.60	35.10
	EDGA Ground - for foundation					A	113.40
			1	38.00	0.75	0.60	17.10
			1	34.00	0.75	0.60	15.30
	Solid block hospital- LHS Side and front side		1	14.00	0.75	0.60	6.30
			1	10.00	0.75	0.60	4.50
			1	12.00	0.75	0.60	5.40
			1	14.00	0.75	0.60	6.30
			2	18.00	0.75	1.20	32.40
						B	87.30
	Sidewall		4	6.00	0.60	0.45	6.48
						C	6.48
			1	30.00	0.45	0.60	8.10
						D	8.10
						A+B+C+D	215.28
5	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 Page No. 23 / Item No. 5.6, PWD SR 2016-17						
	G.K.V.K	Cum					
	Long Wall		2	10.80	0.60	0.45	5.83
			2	5.20	0.60	0.45	2.81
	Short Wall						0.00
			3	2.40	0.60	0.45	1.94
			5	1.30	0.60	0.45	1.76
	Deduction For Columns (-)		-6	1.20	0.60	0.45	-1.94
	AMRUTHALLI						
	Long Wall		2	5.46	0.60	0.45	2.95
	Short Wall						
			5	4.20	0.60	0.45	5.67
			4	1.50	0.60	0.45	1.62
	Deduction For Columns (-)		-6	1.20	0.60	0.45	-1.94
	SAHAKARNAGARA						
	Long Wall		2	16.40	0.60	0.45	8.86
	Short Wall						
			3	2.80	0.60	0.45	2.27
			6	1.50	0.60	0.45	2.43
	Deduction For Columns (-)		-6	1.20	0.60	0.45	-1.94
						A	30.30
						A+B+C+D	5,000.00
							10,76,400.00

For Foundations									
Outer Walls									
	Long Wall	1	6.80	0.60	0.60	2.45			
	Short Wall	2	4.70	0.60	0.60	3.38			
Inner Walls									
	Long Wall L1	2	5.75	0.45	0.60	3.11			
	L2	1	2.08	0.45	0.60	0.56			
	L3	1	1.15	0.45	0.60	0.31			
	Short Wall S1	7	0.90	0.45	0.60	1.70			
	Short Wall S2	1	2.20	0.45	0.60	0.59			
For Compound Wall		1	6.00	0.60	0.60	2.16			
		1	11.00	0.60	0.60	3.96			
		2	1.50	0.60	0.60	1.08			
					B	19.30			
					A+B	49.60	5109.00	2,53,424.28	
6	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 Page No. 23 / Item No. 5.9, PWD SR 2016-17								
	Foundation For Chain Link Fenicing	Cu-m	1	174.00	0.45	0.45	35.24		
			1	78.00	0.45	0.45	15.80		
						A	51.03		
	EDGA Ground - for foundation								
			1	38.00	0.45	0.45	7.70		
			1	34.00	0.45	0.45	6.89		
	Solid block hospital- LHS Side and front side								
			1	14.00	0.45	0.45	2.84		
			1	10.00	0.45	0.45	2.03		
			1	12.00	0.45	0.45	2.43		
			1	14.00	0.45	0.45	2.84		
	Amruthalli - Near Shiva Temple								
			2	18.00	0.45	0.90	14.58		
						B	39.29		
	Sidewall		4	6.00	0.45	0.45	4.86		
						C	4.86		
			1	30.00	0.45	0.45	6.08		
						D	6.08		
						A+B+C+D	101.25	5,994.00	6,06,892.50
7	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 Page No. 23 / Item No. 5.9, PWD SR 2016-17								
	G.K.V.K	Cum							
	Long Wall		2	10.80	0.45	0.45	4.37		
			2	5.20	0.45	0.45	2.11		
	Short Wall						0.00		
			3	2.40	0.45	0.45	1.46		
			5	1.30	0.45	0.45	1.32		
	Deduction For Columns (-)		-6	1.20	0.45	0.45	-1.46		
							0.00		
	AMRUTHALLI								
	Long Wall		2	5.46	0.45	0.45	2.21		
							0.00		
	Short Wall		5	4.20	0.45	0.45	4.25		

Scanned with CamScanner

	Repair of damaged fencing of old park in coffe board layout		1	30.00	0.45	0.10	1.35		
			1	50.00	0.45	0.10	2.25		
						A	14.94		
	Amruthalli - Near Shiva Temple								
	For SSM		2	18.00	0.45	0.10	1.62		
	For Load Bearing Wall		2	87.00	0.20	0.10	3.48		
	EDGA Ground - for foundation								
			1	38.00	0.45	0.10	1.71		
			1	34.00	0.45	0.10	1.53		
	Solid block hospital- LHS Side and front side								
			1	14.00	0.45	0.10	0.63		
			1	10.00	0.45	0.10	0.45		
			1	12.00	0.45	0.10	0.54		
			1	14.00	0.45	0.10	0.63		
						B	10.59		
	For culverts bottom		2	6.00	2.00	0.15	3.60		
	For Side wall coping		4	6.00	0.45	0.10	1.08		
	Ramps for culverts		4	6.00	0.45	0.15	1.62		
						C	6.30		
			1	30.00	0.45	0.10	1.35		
	Coping Concrete								
			1	18.15	0.45	0.10	0.82		
	Long Wall L1		2	5.75	0.45	0.10	0.52		
	L2		1	2.08	0.45	0.10	0.09		
	L3		1	1.15	0.45	0.10	0.05		
	Short Wall S1		7	0.90	0.45	0.10	0.28		
	Short Wall S2		1	2.20	0.45	0.10	0.10		
	For Compound Wall		1	6.00	0.45	0.10	0.27		
			1	11.00	0.45	0.10	0.50		
			1	1.50	0.45	0.10	0.07		
						D	4.04		
						A+B+C+D	35.87	6,517.00	2,33,794
10	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineerin - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) Page No. 262 / Item No. 37.2, PWD SR 2016-17								
	For Chain Link Fenicing	Mtr	85	2.40			204.00		
	Repair Work		20	2.10			42.00		
	Gkvk Layout left hand side		44	2.40			105.60		
						A	351.60		
	FOR EDGA GROUND For Chain Link Fenicing		14	2.40			33.60		
						B	33.60		
						A+B	385.20	981.00	3,77,881

11	Providing and fixing M.S. Block pipe of 38mm dia. of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M S block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint. Page No. 262 / Item No. 37.4, PWD SR 2016-17							
	For Chain Link Fenicing	Mtr	3	174.00			522.00	
	For repair work in old park coffe board layout		3	77.00			231.00	
	For Chain Link Fenicing		3	44.00			132.00	
	Repairs in Coffee Board Layout Old Park		3	36.00			108.00	
						A	993.00	
	FOR EDGA GROUND For Chain Link Fenicing		2	33.00			66.00	
						B	66.00	
						A+B	1,059.00	388.00 4,10,892.00
12	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint Page No. 262 / Item No. 37.3, PWD SR 2016-17							
	For Chain Link Fenicing	Sq-m	1	174.00		1.80	313.20	
	For repair work in old park coffe board layout		1	77.00		1.50	115.50	
							428.70	
	For Chain Link Fenicing		1	44.00		1.80	79.20	
					Qty Limited to		27.00	
						A	455.70	
	Edga and Hospital		1	33.00		1.80	59.40	
						B	59.40	
						A+B	515.10	789.00 4,06,413.90
13	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members as shown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specification. Page. No. 43 / Item. No. 7.37 PWD SR 2016-17							
	Gate	Sqm	2	3.50	1.80		12.60	
	Edga and Hospital		2	3.60	1.80		12.96	
							25.56	3514.00 89,817.84
14	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc., complete Page No. 25 / Item No. 5.30 PWD SR 2016-17							
	For path Way park 1	Nos	1924				1,924.00	
							147.00	
							2,071.00	374.00 7,74,554.00
15	KSRRB M2100-9. Sand Filling in Foundation Trenches as per Drawing. & Technical Specification MORTH Specification No. 304 Item No. 27.17 Page No. 217, PWD SR 2016-17							

	For path way maintenance old park in coffe board layout	Cum	1	30.00	2.50	0.25	18.75		
			1	400.00	2.00	0.25	200.00		
	For Cobble Stone in kabarsthan		1	33.00	25.00	0.20	165.00		
						B	165.00		
						A+B	383.75	3302.00	12,67,142.50
16	KSRB 14.6-1: Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS. (P.No. 101, I.No. 14.6 of CSR 2016-17)								
	For path way maintenance old park in coffe board layout	Sqm	1	30.00	2.20		66.00		
			1	400.00	2.00		800.00		
	For Cobble Stone in EDGA Ground		1	33.00	25.00		825.00		
						B	825.00		
						a+b	1,691.00	1092.00	18,46,572.00
17	KSRB 15-19.1 : Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. Page No. 122 / Item No. Item No. 15.80, PWD SR 2016-17								
		Sqm	1	1,974.00		0.15	296.10		
			147			0.15	22.05		
							318.15	31.00	9,862.65
18	KSRB 15-19.2 : Providing and applying spray painting in two coats (excluding priming coat) over concrete / masonry / asbestos cement sheet / plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. Page No. 122 / Item No. Item No. 15.81, PWD SR 2016-17								
		Sqm		Quantity wide Item No 17			296.10		
				Quantity wide Item No 17			22.05		
							318.15	79.00	25,133.85
19	KSRRB M200-12.3. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. C. Prestressed / Reinforced cement concrete grade M-20 & above. MORTH Specification No. 202								
	Roof Concrete	Cu-m	1	6.00	3.00	0.15	2.70		
	Lintel Long Walls		2	6.00	0.23	0.15	0.41		
	Short Walls		3	3.00	0.23	0.15	0.31		
							3.42	1,224.00	4,191.59
20	KSRRB M200-14.2. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. ii) Dismantling brick/Tile work B. In cement mortar. MORTH Specification No. 202 Page No. 137 / Item No. 18.23, PWD SR 2016-17								
	Long Walls	Cu-m	2	6.00	0.23	3.00	8.28		
	Short Walls		3	3.00	0.23	3.00	6.21		
							14.49	292.00	4,231.08

21

Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) M 20 for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing, for raft foundation column footing, main and secondary beams with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Page No. 18, Item No. 4.48, PWD SR 2016-17

EDGA GROUND	Cu-m					
Sump- side wall	4	3.50	2.40	0.15	5.04	
Sump- covering slab	1	3.50	3.50	0.15	1.84	
Deduct covering slab	1	0.60	0.60	0.15	0.05	
Jakkur Muslim Colony- CC Road						
	1	15.00	3.45	0.10	5.18	
	1	15.00	2.90	0.10	4.35	
	1	13.00	3.00	0.10	3.90	
	1	15.00	3.70	0.10	5.55	
	1	3.50	3.20	0.10	1.12	
	1	15.00	4.40	0.10	6.60	
	1	15.00	4.50	0.10	6.75	
	1	15.00	3.95	0.10	5.93	
	1	15.00	3.10	0.10	4.65	
	1	15.00	2.60	0.10	3.90	
	1	11.00	2.85	0.10	3.14	
cross road	1	15.00	2.60	0.10	3.90	
	1	13.00	2.60	0.10	3.38	
RCC DRAIN BOTTOM	2	15.00	0.75	0.15	3.38	
	2	15.00	0.75	0.15	3.38	
	2	11.00	0.75	0.15	2.48	
	2	15.00	0.75	0.15	3.38	
	2	24.00	0.75	0.15	5.40	
RCC DRAIN SIDE WALL	4	15.00	0.15	0.45	4.05	
	4	15.00	0.15	0.45	4.05	
	4	11.00	0.15	0.45	2.97	
	4	15.00	0.15	0.45	4.05	
	4	24.00	0.15	0.45	6.48	
culvert slab	4	7.42	1.50	0.25	11.12	
					115.99	
					115.99	7,000.00 8,11,930.00

22

Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) M 20 for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing, for raft foundation column footing, main and secondary beams with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Page No. 18, Item No. 4.48, PWD SR 2016-17 (with 8% area Weightage)

G.K.V.K	Cum					
Column Footing	6	1.20	1.20	0.60	5.18	
	6	0.45	0.15	3.50	1.42	
Chejja	1	4.20	0.60	0.15	0.38	
Lintel	2	10.80	0.15	0.15	0.49	
Lintel	2	5.20	0.15	0.15	0.23	
Lintel	3	2.40	0.15	0.15	0.16	
Lintel	5	1.30	0.15	0.15	0.15	
Plinth Beam	2	10.80	0.15	0.30	0.97	
Plinth Beam	2	5.20	0.15	0.30	0.47	
Plinth Beam	3	2.40	0.15	0.30	0.32	
Plinth Beam	5	1.30	0.15	0.30	0.29	
Roof Slab	1	11.60	3.20	0.15	5.57	
AMRUTHALLI						
Column Footing	6	1.20	1.20	0.60	5.18	
	6	0.45	0.15	3.50	1.42	
Chejja	1	2.20	0.60	0.15	0.20	
Lintel	2	5.46	0.15	0.15	0.25	
Lintel	3	4.20	0.15	0.15	0.28	
Lintel	4	1.50	0.15	0.15	0.14	
Lintel	2	4.20	0.15	0.15	0.19	
Plinth Beam	2	5.46	0.15	0.30	0.49	

		Plinth Beam	3	4.20	0.15	0.30	0.57		
		Plinth Beam	4	1.50	0.15	0.30	0.27		
		Plinth Beam	2	4.20	0.15	0.30	0.38		
	Roof Slab		1	6.20	5.00	0.15	4.65		
	SAHAKARNAGARA								
	Column Footing		6	1.20	1.20	0.60	5.18		
			6	0.45	0.15	3.50	1.42		
	Chejja		1	3.20	0.60	0.15	0.29		
	Lintel		2	10.90	0.15	0.15	0.49		
			2	5.50	0.15	0.15	0.25		
			3	2.80	0.15	0.15	0.19		
			6	1.50	0.15	0.15	0.20		
	Plinth Beam		2	10.90	0.15	0.30	0.98		
	Plinth Beam		2	5.50	0.15	0.30	0.50		
	Plinth Beam		3	2.80	0.15	0.30	0.38		
	Plinth Beam		6	1.50	0.15	0.30	0.41		
	Roof Slab		1	11.70	3.60	0.15	6.32		
						A	46.24		
	Column Footing		6	1.20	1.20	0.45	3.89		
	Column Below Ground Level		6	0.45	0.15	0.90	0.36		
	Plinth Beam		1	16.95	0.15	0.45	1.14		
	Column Above Ground Level		6	0.45	0.15	4.00	1.62		
	Lintel								
	Front		1	5.30	0.15	0.15	0.12		
	Back Side		1	5.30	0.15	0.15	0.12		
	Roof Beam		1	16.95	0.15	0.45	1.14		
	Roof Slab		1	6.35	5.30	0.15	5.05		
	Slab Projection		1	5.30	1.00	0.15	0.80		
	Ventilation Projection		1	10.00	0.60	0.10	0.60		
	For Flooring		1	6.05	5.15	0.15	4.67		
	For Fixing Tank		1	2.00	1.50	0.15	0.45		
						B	19.97		
						A+B	66.20	7174	4,74,943.73
23	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 500								
		Tonne				A	1.53		
	Consider 60Kg Per Cum		277.83			0.06	16.68		
						B	16.68		
							18.21	72595.00	13,21,990.62
24	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 500 Page No. 17 / Item No. 4.46.2, PWD SR 2016-17								
	Consider 100 Kg/ Cum	Tonne		46.24		0.10	4.62		
						A	4.62		
	100kg per cum		19.97		120.00		2,395.94		
						B	2.40		
						A+B	7.02	73964.00	5,19,202.87

25	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications.							
	For culvert slabs - side walls	Sq-m	5		0.60		12.00	
			5		0.23		4.60	
			2		0.23		1.38	
	EDGA GROUND -For sump		4		2.40		33.60	
			4		2.40		33.60	
	covering slab		4		3.50		49.00	
	cover opening		1		0.60		1.44	
	JAKKUR MUSLIM COLONY- RCC DRAIN							
			4		0.45		7.20	
			4		0.45		7.20	
			4		0.45		7.20	
			4		0.45		7.20	
			4		0.45		7.20	
						A	171.62	
	RCC Drain side wall							
				8.00	229.00	0.60	1,099.20	
	1st Main road Chinnappa Layout			4.00	176.00	0.60	422.40	
				4.00	158.00	0.60	379.20	
	1st Cross Road Chinnappa Layout		2	4.00	45.00	0.60	216.00	
						B	2,116.80	
						A+B	2,288.42	
							350.00	8,00,947.00
26	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 Page No. 15 / Item No. 4.31 PWD SR 2016-17							
	<u>G.K.V.K</u>	Sqm						
	Column Footing		6	4.80		0.60	17.28	
			6	1.20		4.00	28.80	
	Chejja		1	4.20	0.90		3.78	
	Chejja Side		1	5.40		0.15	0.81	
	Lintel		4	10.80		0.15	6.48	
	Lintel		4	5.20		0.15	3.12	
	Lintel		6	2.40		0.15	2.16	
	Lintel		10	1.30		0.15	1.95	
	Plinth Beam		4	10.80		0.30	12.96	
	Plinth Beam		4	5.20		0.30	6.24	
	Plinth Beam		6	2.40		0.30	4.32	
	Plinth Beam		10	1.30		0.30	3.90	
	Roof							
	Slab		1	11.60	3.20		37.12	
	Sides		2	11.60		0.15	3.48	
			2	3.20		0.15	0.96	
	<u>AMRUTHALLI</u>							
	Column Footing		6	4.80		0.60	17.28	
			6	1.20		4.00	28.80	
	Chejja		1	2.20	0.60		1.32	
	Chejja Side		1	3.40		0.15	0.51	
	Lintel		4	5.46		0.15	3.28	
	Lintel		6	4.20		0.15	3.78	
	Lintel		8	1.50		0.15	1.80	
	Lintel		4	4.20		0.15	2.52	
	Plinth Beam		4	5.46		0.30	6.55	
	Plinth Beam		6	4.20		0.30	7.56	
	Plinth Beam		8	1.50		0.30	3.60	
	Plinth Beam		4	4.20		0.30	5.04	
	Roof Slab							

	Roof Slab	1	6.20	5.00		31.00		
	Roof Sides	2	6.20		0.15	1.86		
		2	5.00		0.15	1.50		
	Sahakarnagara							
	Column Footing	6	4.80		0.60	17.28		
		6	1.20		4.00	28.80		
	Chejja	1	3.20	0.60		1.92		
	Chejja Side	1	4.40		0.15	0.66		
	Lintel	4	10.90		0.15	6.54		
	Lintel	4	5.50		0.15	3.30		
	Lintel	6	2.80		0.15	2.52		
	Lintel	12	1.50		0.15	2.70		
	Plinth Beam	4	10.90		0.30	13.08		
	Plinth Beam	4	5.50		0.30	6.60		
	Plinth Beam	6	2.80		0.30	5.04		
	Plinth Beam	12	1.50		0.30	5.40		
	Slab							
	Roof Slab	1	11.70	3.60		42.12		
	Roof Sides	2	11.70		0.15	3.51		
		2	3.60		0.15	1.08		
					A	390.31		
	Column Footing	6	4.80		0.45	12.96		
	Column	6	1.20		4.90	35.28		
	Plinth Beam	1	34.20		0.45	15.39		
	Lintel							
	Front	1	10.90		0.15	1.64		
	Back Side	1	10.90		0.15	1.64		
	Roof Beam	1	34.20		0.45	15.39		
	Roof Slab	1	6.35	5.30		33.66		
	Slab Projection	1	5.30	1.00		5.30		
	Ventilation Projection	1	10.00		0.60	6.00		
	For Fixing Tank	1	7.00		0.15	1.05		
					B	128.30		
					A+B	518.60	357.00	1,85,141.27
27	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not less than 1800 kg/m ³ and having a minimum average compressive strength 4.00 N/mm ² confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing complete as per specifications. KBS No.5.4							
	EDGA GROUND	Sq-m						
	Solid block compound wall	1	38.00		1.80	68.40		
	Solid block hospital- LHS	1	14.00		1.80	25.20		
	Side and front side	1	10.00		1.80	18.00		
		1	12.00		1.80	21.60		
		1	14.00		1.80	25.20		
	Amruthalli - Near Shiva Temple							
	Chainage 0-22	2	22.00		0.40	17.60		
	Chainage 65-90	2	25.00		0.20	10.00		
	Chainage 90-170	2	40.00		0.90	72.00		
						258.00	1,000.00	2,58,000.00
28	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not less than 1800 kg/m ³ and having a minimum average compressive strength 4.00 N/mm ² confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing complete as per specifications. KBS No.5.4 Page No. 25 / Item No. 5.26.2, PWD SR 2016-17							
	G.K.V.K	Sqm						
	Long Wall	2	10.80		3.00	64.80		
		2	5.20		2.70	28.08		
	Short Wall	3	2.40		3.00	21.60		

Parapet Wall	5	1.30		
	2	10.80	2.70	17.55
Steps	2	2.40	0.40	8.64
	2	4.00	0.40	1.92
DEDUCTIONS (-)	2	1.00	0.30	2.40
			0.15	0.30
Lintel	-2	10.80	0.15	-3.24
	-2	5.20	0.15	-1.56
Lintel	-3	2.40	0.15	-1.08
Lintel	-5	1.30	0.15	-0.98
Plinth Beam	-2	10.80	0.30	-6.48
	-2	5.20	0.30	-3.12
Plinth Beam	-3	2.40	0.30	-2.16
Plinth Beam	-5	1.30	0.30	-1.95
Columns	-6	0.07	3.00	-1.22
Rolling Shutters	-2	1.80	2.10	-7.56
Doors	-8	0.80	2.10	-13.44
Ventilator-1	-8	0.60	0.90	-4.32
Ventilator-2	-4	1.00	0.60	-2.40
AMRUTHALLI				
Long Wall	2	5.46	3.00	32.76
Short Wall	3	4.20	3.00	37.80
	4	1.50	2.10	12.60
	2	4.20	2.10	17.64
Parapet Wall	2	5.66	0.40	4.53
	2	4.40	0.40	3.52
Steps	2	4.00	0.30	2.40
	2	1.00	0.23	0.46
DEDUCTIONS (-)				
Lintel	-2	5.46	0.15	-1.64
Lintel	-3	4.20	0.15	-1.89
Lintel	-4	1.50	0.15	-0.90
Lintel	-2	4.20	0.15	-1.26
Plinth Beam				
Plinth Beam	-2	5.46	0.30	-3.28
Plinth Beam	-3	4.20	0.30	-3.78
Plinth Beam	-4	1.50	0.30	-1.80
Plinth Beam	-2	4.20	0.30	-2.52
Columns	-6	0.07	3.00	-1.22
Rolling Shutters	-2	0.90	2.10	-3.78
Doors	-6	0.75	2.10	-9.45
Ventilator-1	-2	0.90	0.90	-1.62
Ventilator-2	-6	0.60	0.45	-1.62
SAHAKARNAGARA				
Long Wall	2	10.90	3.00	65.40
	2	5.50	2.10	23.10
Short Wall	3	2.80	3.00	25.20
	6	1.50	2.10	18.90
Parapet Wall	2	11.10	0.40	8.88
	2	3.00	0.40	2.40
Steps	2	4.00	0.30	2.40
	2	1.00	0.15	0.30
DEDUCTIONS				
Lintel				
	-2	10.90	0.15	-3.27
	-2	5.50	0.15	-1.65
	-3	2.80	0.15	-1.26
	-6	1.50	0.15	-1.35
Plinth Beam				
	-2	10.90	0.30	-6.54
	-2	5.50	0.30	-3.30
	-3	2.80	0.30	-2.52

			-6	1.50		0.30	-2.70		
	Columns		-6	0.07					
	Rolling Shutters		-2	1.25		3.00	-1.22		
	Doors		-6	0.60		2.10	-5.25		
	Ventilator-1		-4	1.80		2.10	-7.56		
						0.45	-3.24		
	Outer Walls					A	279.47		
	Long Wall		1	6.35		2.70	17.15		
	Short Wall		2	5.30		2.70	28.62		
	Inner Walls								
	Long Wall L1		2	6.05		2.10	25.41		
	L2		1	2.38		2.10	5.00		
	L3		1	1.75		2.10	3.68		
	Short Wall S1		7	1.20		2.10	17.64		
	Short Wall S1		1	2.50		2.10	5.25		
	Parapet Wall		2	10.75		1.00	21.50		
			2	6.35		1.00	12.70		
	For Compound Wall		1	6.00		2.00	12.00		
			1	11.00		2.10	23.10		
			2	1.50		2.10	6.30		
	For Fixing Tank		3	1.50		1.50	6.75		
	DEDUCTIONS (-)								
	Lintel								
	Front		-1	10.90		0.15	-1.64		
	Back		-1	10.90		0.15	-1.64		
	Columns		-6	0.07		3.00	-1.22		
	Doors		-8	0.75		2.10	-12.60		
	Doors		-2	1.00		2.10	-4.20		
	Ventilator-1		-4	0.65		0.60	-1.56		
	Compound Wall		1	30.00		1.50	45.00		
						B	207.24		
						A+B	486.72	1100.00	5,35,388.70
29	KSRB15-3.9 :Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.								
	Solid block compund wall	Sq-m	2	38.00		1.80	136.80		
	Solid block hospital- LHS						0.00		
	Side and front side		2	14.00		1.80	50.40		
			2	10.00		1.80	36.00		
			2	12.00		1.80	43.20		
			2	14.00		1.80	50.40		
							316.80	237.00	75,081.60
30	KSRB15-3.9 :Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No. 114 / Item No. 15.17, PWD SR 2016-17 (Outside Wall)								
	G.K.V.K	Sqm							
	Long Wall		2	11.00		3.75	82.50		
	Short Wall		2	2.60		3.75	19.50		

Deductions (-)									
	Rolling Shutters	0.5	-2	1.80		2.10	-3.78		
	Ventilator-1	0.5	-8	0.60		0.90	-2.16		
	Ventilator-2	0.5	-4	1.00		0.60	-1.20		
AMRUTHALLI									
	Long Wall		2	5.66		3.75	42.45		
	Short Wall		2	4.40		3.75	33.00		
Deductions (-)									
	Rolling Shutters	0.5	-2	1.25		2.10	-2.63		
	Doors	0.5	-6	0.60		2.10	-3.78		
	Ventilator-1	0.5	-4	1.80		0.45	-1.62		
Sahakarnagara									
	Long Wall		2	11.10		3.75	83.25		
	Short Wall		2	3.00		3.75	22.50		
Deductions (-)									
	Rolling Shutters	0.5	-2	1.25		2.10	-2.63		
	Ventilator-1	0.5	-6	0.60		2.10	-3.78		
						A	261.63		
Outer Walls									
	Long Wall	1	2	6.35		3.75	47.63		
	Short Wall	1	2	5.30		3.75	39.75		
Slab Projection									
		2	1	5.30	1.00		10.60		
	Existing Building Plastering	1	1	6.50	3.50		22.75		
For Compound Wall									
		2	1	6.00		2.00	24.00		
		2	1	11.00		2.10	46.20		
		2	2	1.50		2.10	12.60		
			1	20.00		0.15	3.00		
Deductions									
	Doors	-0.5	2	0.90		2.10	-1.89		
	Ventilator-1	-0.5	4	0.65		0.60	-0.78		
	Compound Wall	2	1	30.00		1.50	90.00		
						B	293.86		
						A+B	555.49		
						Quantity up to 125%	414.66	241.0	99,933.06
						Quantity Above 125%	140.83	296.35	41,733.77
31	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer.								
		Sq-m		Qty Vide Item No. 29		316.80		100.00	31,680.00
32	Removing and refixing stone slabs of drains and pointing in CM (1:3)								
	Repairs to existing drain - Vinayaka Layout- 1stage								
	1st A cross								
	Bottom		1	142.00	0.50		71.00		
	Side Wall		2	112.00	0.50		112.00		
			1	30.00	0.50		15.00		
	2nd A cross								
	Bottom		1	174.00	0.50		87.00		
	Side wall		2	174.00	0.50		174.00		
	3rd A cross								
	Bottom		1	191.00	0.50		95.50		
	Side wall		2	357.00	0.50		357.00		
	12 th Main Road								
			2	60.00	1.35		162.00		
	1st Stage Vinayaka Badavane								
	4th A Cross Road		2	44.00	1.35		118.80		
	3rd A Cross Road		2	45.00	1.35		121.50		
	2nd A Cross Road		2	53.00	1.35		143.10		

							1,456.90	91.00	1,32,577.90
33	Providing granite slabs of selected quality roughly dressed having a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing etc., complete								
	1st A cross	Sq-m							
	Bottom		1	43.00		0.50	21.50		
	sidewall		2	33.00		0.50	33.00		
	2nd A cross								
	Bottom		1	30.00		0.50	15.00		
	Side wall		2	30.00		0.50	30.00		
	3rd A cross								
	Bottom		1	35.00		0.50	17.50		
	Side wall		2	35.00		0.50	35.00		
	4th cross								
	Bottom		1	27.00		0.50	13.50		
	side wall		2	27.00		0.50	27.00		
	5th cross								
	Bottom		1	10.00		0.50	5.00		
	side wall		2	10.00		0.50	10.00		
	6th cross								
	Bottom		1	15.00		0.50	7.50		
	side wall		2	15.00		0.50	15.00		
							230.00	700.00	1,61,000.00
34	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.460 cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedestals, retaining walls, return walls, walls (any thickness) including attached pilasters, column pillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications.								
	Bottom Concrete	Cu-m	2	229.00	0.15	0.90	61.83		
	Side wall		4	229.00	0.15	0.60	82.44		
	Bottom Concrete								
	1st Main road Chinnappa Layout		1	176.00	0.90	0.15	23.76		
			1	158.00	0.90	0.15	21.33		
	1st Cross Road Chinnappa Layout		2	45.00	0.90	0.15	12.15		
	Side Wall								
	1st Main road Chinnappa Layout		2	176.00	0.15	0.60	31.68		
			2	158.00	0.15	0.60	28.44		
	1st Cross Road Chinnappa Layout	2	2	45.00	0.15	0.60	16.20		
							277.83	7000.00	19,44,810.00
35	Providing precast slab of 250 mm thick including cost of all materials, labour, curing, transportation, loading unloading, etc., complete as per the direction of engineer in charge-Data rate								
			20		1.80	0.60	21.60		
							21.60	5791.00	1,25,085.60
36	Providing precast slab of 100 mm thick including cost of all materials, labour, curing, transportation, loading unloading, etc., complete as per the direction of engineer in charge-Data rate								
	RCC Drain Covering Slab		925		0.60	0.90	499.50		
	1st Cross Road Chinnappa Layout								
			1	171.00		0.90	153.90		
			1	130.00		0.90	117.00		
			1	44.00		0.90	39.60		

							810.00	2057.00	16,66,170.00
37	KSRRB M400- Wet Mix Macadam KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.								
	Road work	Cu-m							
	1st A cross		5	10.00	2.00	0.20	20.00		
			10	5.00	2.00	0.20	20.00		
	2nd A cross		15	5.00	1.50	0.20	22.50		
			20	6.00	2.50	0.20	60.00		
	3rd A cross		15	4.50	2.00	0.20	27.00		
			10	2.50	2.00	0.20	10.00		
	4th A cross		15	3.00	3.00	0.20	27.00		
			20	2.50	3.00	0.20	30.00		
	5th cross		15	3.00	2.50	0.15	16.88		
			10	2.50	3.00	0.15	11.25		
	6th cross		20	3.00	3.50	0.21	43.05		
							287.68	1997.00	5,74,486.98
38	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.								
	Vinayaka layout 1st main road	Sq-m	1	288.00	7.11		2,047.68		
	1st cross road		1	80.00	6.00		480.00		
	2nd cross road		1	80.00	5.82		465.60		
	3rd cross road		1	110.00	6.10		671.00		
	4th cross road		1	110.00	6.60		726.00		
	5th cross road		1	36.00	6.00		216.00		
	6th cross road		1	33.00	6.50		214.50		
	chinnappa layout						0.00		
	2nd cross road		1	70.00	5.90		413.00		
	2nd main road		1	180.00	5.73		1,031.40		
	2nd A cross		1	36.00	6.50		234.00		
							6,493.10	13.00	84,410.30
39	KSRRB M500-19. Providing and laying bituminous concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. MORTH Specification No. 509 - using 40/60 TPH capacity H.M.P.								
	Vinayaka layout 1st main road	Cu-m	1	288.00	7.11	0.04	81.91		
	1st cross road		1	80.00	6.00	0.04	19.20		
	2nd cross road		1	80.00	5.82	0.04	18.62		
	3rd cross road		1	110.00	6.10	0.04	26.84		
	4th cross road		1	110.00	6.60	0.04	29.04		
	5th cross road		1	36.00	6.00	0.04	8.64		
	6th cross road		1	33.00	6.50	0.04	8.58		
	chinnappa layout								
	2nd cross road		1	70.00	5.90	0.04	16.52		
	2nd main road		1	180.00	5.73	0.04	41.26		
	2nd A cross		1	36.00	6.50	0.04	9.36		
							259.97	8000.00	20,79,737.60
40	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications.								

Vinayaka layout 1st main road		Sq-m						
Edge line		2	288.00	0.10				
Centre line		3	9.00	0.10			57.60	
1st cross road		2	50.00	0.10			2.70	
2nd cross road		2	70.00	0.10			10.00	
3rd cross road		2	90.00	0.10			14.00	
4th cross road		2	95.00	0.10			18.00	
5th cross road		2	25.00	0.10			19.00	
6th cross road		2	25.00	0.10			5.00	
chinnappa layout							5.00	
2nd cross road		2	70.00	0.10			0.00	
2nd main road		2	180.00	0.10			14.00	
Centre line		1	35.00	0.10			36.00	
2nd A cross		2	2.00	0.10			3.50	
							0.40	
							185.20	
							613.00	
							1,13,527.60	
41	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 Page No. 5 / Item No. 2.3 of PWD SR 2016-17							
G.K.V.K		Cum						
Long Wall		2	10.80	1.00	0.95		20.52	
		2	5.20	1.00	0.95		9.88	
Short Wall								
		3	2.40	1.00	0.95		6.84	
		5	1.30	1.00	0.95		6.18	
Columns		6	1.50	1.50	1.20		16.20	
AMRUTHALLI								
Long Wall		2	5.46	1.00	0.95		10.37	
Short Wall								
		5	4.20	1.00	0.95		19.95	
		4	1.50	1.00	0.95		5.70	
Columns		6	1.50	1.50	1.20		16.20	
SAHAKARNAGARA								
Long Wall		2	16.40	1.00	0.95		31.16	
Short Wall								
		3	2.80	1.00	0.95		7.98	
		6	1.50	1.00	0.95		8.55	
Columns		6	1.50	1.50	1.20		16.20	
					A		175.73	
For Footings		6	1.50	1.50	1.50		20.25	
For Foundations								
Outer Walls								
Long Wall		1	6.95	0.75	0.75		3.91	
Short Wall		2	4.55	0.75	0.75		5.12	
Inner Walls								
Long Wall L1		2	5.60	0.60	0.60		4.03	
L2		1	1.93	0.60	0.60		0.69	
L3		1	1.00	0.60	0.60		0.36	
Short Wall S1		7	0.75	0.60	0.60		1.89	
Short Wall S2		1	2.05	0.60	0.60		0.74	
For Flooring		1	6.05	5.15	0.30		9.35	
For Compound Wall		1	6.00	0.75	1.50		6.75	
		1	11.00	0.75	1.00		8.25	
		2	1.50	0.75	1.00		2.25	
					B		63.59	
					A+B		239.32	
							230.00	
							55,043.41	

AMRUTHALLI									
Long Wall			2	5.46	1.00	0.95	10.37		
Short Wall									
			5	4.20	1.00	0.95	19.95		
			4	1.50	1.00	0.95	5.70		
Columns			6	1.50	1.50	1.20	16.20		
SAHAKARNAGARA									
Long Wall									
Short Wall			2	16.40	1.00	0.95	31.16		
			3	2.80	1.00	0.95	7.98		
			6	1.50	1.00	0.95	8.55		
Columns			6	1.50	1.50	1.20	16.20		
A							175.73		
Qty in item no 01							63.59		
Deductions (-)									
P.C.C							-12.68		
Footing Raft							-3.89		
Column Below ground Level							-0.41		
SSM							-19.30		
B							27.31		
A+B							203.04	154.00	31,268.03
44	KSRB 15.1.2 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:4, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications Page No. 113 / Item No. 15.2, PWD SR 2016-17								
G.K.V.K		Sqm							
Long Wall			4	10.80		0.45	19.44		
			4	5.20		0.45	9.36		
Short Wall									
			6	2.40		0.45	6.48		
			10	1.30		0.45	5.85		
AMRUTHALLI									
Long Wall			4	5.46		0.45	9.83		
Short Wall									
			10	4.20		0.45	18.90		
			8	1.50		0.45	5.40		
SAHAKARNAGARA									
Long Wall			4	16.40		0.45	29.52		
Short Wall									
			6	2.80		0.45	7.56		
			12	1.50		0.45	8.10		
A							120.44		
For Foundations									
Outer Walls									
		Long Wall	2	1	6.65		0.60	7.98	
		Short Wall	2	2	5.75		0.60	13.80	
For Compound Wall									
			2	1	6.00		0.60	7.20	
			2	1	11.00		0.23	5.06	
B							34.04		
A+B							154.48	115.00	17,764.97
45	KSRB15-3-13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No. 114, Item No. 15.21 of PWD SR 2016-17								
G.K.V.K		Sqm							
Toilet			1	9.48	1.70		16.12		
Passage			2	5.20	0.80		8.32		
AMRUTHALLI									
Toilet			1	7.50	1.50		11.25		

46	Passage		2	0.90	4.30		7.74		
	Sahakarnagara								
	Toilet		1	8.00	1.30		10.40		
			1	1.60	1.50		2.40		
	Passage		2	5.30	1.30		13.78		
						A	70.01		
			1.00	6.05	5.15		31.16		
						B	31.16		
						A+B	101.16	235.00	23,773.42
	KSRB15-3.12 :Providing 20mm thick cement plaster in single coat with cement mortar 1:6, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No. 114, Item No. 15.21 of PWD SR 2016-17 (Inside Plastering)								
G.K.V.K		Sqm							
Long Wall			2	10.80		3.00	64.80		
			4	5.20		2.10	43.68		
Short Wall			4	2.40		3.00	28.80		
			10	1.30		2.10	27.30		
DEDUCTIONS (-)									
	Rolling Shutters	0.5	2	1.80		2.10	-3.78		
	Doors	0.5	8	0.80		2.10	-6.72		
	Ventilator-1	0.5	8	0.60		0.90	-2.16		
	Ventilator-2	0.5	4	1.00		0.60	-1.20		
AMRUTHALLI									
Long Wall			2	5.46		3.00	32.76		
Short Wall			4	4.20		3.00	50.40		
			8	1.50		2.10	25.20		
			4	4.20		2.10	35.28		
DEDUCTIONS (-)									
	Rolling Shutters	0.5	2	1.25		2.10	-2.63		
	Doors	0.5	6	0.60		2.10	-3.78		
	Ventilator-1	0.5	4	1.80		0.45	-1.62		
Sahakarnagara									
Long Wall			2	10.90		3.00	65.40		
			4	5.50		2.10	46.20		
Short Wall			4	2.80		3.00	33.60		
			12	1.50		2.10	37.80		
	Rolling Shutters	0.5	2	1.25		2.10	-2.63		
	Doors	0.5	6	0.60		2.10	-3.78		
	Ventilator-1	0.5	4	1.80		0.45	-1.62		
							461.31		
						A	131.49		
Outer Walls									
	Long Wall	1	1	6.35		2.70	17.15		
	Short Wall	1	2	5.30		2.70	28.62		
Inner Walls							0.00		
	Long Wall L1	2	2	6.05		2.10	50.82		
	L2	2	1	2.38		2.10	10.00		
	L3	2	1	1.75		2.10	7.35		
	Short Wall S1	2	7	1.20		2.10	35.28		
							0.00		
	Parapet Wall	2	2	10.75		1.00	43.00		
		2	2	6.35		1.00	25.40		
			1	34.20		0.15	5.13		
DEDUCTIONS (-)									
	Doors	-0.5	8	0.75		2.10	-6.30		
	Doors	-0.5	2	1.00		2.10	-2.10		

	Ventilator-1	-0.5	4	0.65	0.60	-0.78		
							B	213.56
							A+B	345.05
							Quantity up to 125%	164.36
							Quantity above 125%	180.69
								253.0
								41,583.08
								307.24
								55,515.21
47	KSRB15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. Page No. 115, Item No. 15.33, PWD SR 2016-17							
	G.K.V.K	Sqm						
	Toilet		1	9.48	1.70	16.12		
	Passage		2	5.20	0.80	8.32		
	Long Wall		2	10.80		3.00	64.80	
			4	5.20		2.10	43.68	
	Short Wall		4	2.40		3.00	28.80	
			10	1.30		2.10	27.30	
	DEDUCTIONS (-)							
	Rolling Shutters	0.5	-2	1.80		2.10	-3.78	
	Doors	0.5	-8	0.80		2.10	-6.72	
	Ventilator-1	0.5	-8	0.60		0.90	-2.16	
	Ventilator-2	0.5	-4	1.00		0.60	-1.20	
	AMRUTHALLI							
			1	2.50	1.40	3.50		
			1	3.75	1.50	5.63		
	Passage		2	0.90	4.30	7.74		
	Long Wall		2	5.46		3.00	32.76	
	Short Wall		4	4.20		3.00	50.40	
			8	1.50		2.10	25.20	
			4	4.20		2.10	35.28	
	DEDUCTIONS (-)							
	Rolling Shutters	0.5	-2	1.25		2.10	-2.63	
	Doors	0.5	-6	0.60		2.10	-3.78	
	Ventilator-1	0.5	-4	1.80		0.45	-1.62	
	Sahakarnagara							
	Toilet		1	8.00	1.30	10.40		
			1	2.50	1.50	3.75		
	Passage		2	5.30	1.30	13.78		
	Long Wall		2	10.90		3.00	65.40	
			4	5.50		2.10	46.20	
	Short Wall		4	2.80		3.00	33.60	
			12	1.50		2.10	37.80	
	Rolling Shutters	0.5	-2	1.25		2.10	-2.63	
	Doors	0.5	-6	0.60		2.10	-3.78	
	Ventilator-1	0.5	-4	1.80		0.45	-1.62	
							530.54	
							A	229.59
			1	6.05	5.15	31.16		
	Outer Walls							
	Long Wall	1	1	6.35		2.70	17.15	
	Short Wall	1	2	5.30		2.70	28.62	
	Inner Walls						0.00	
	Long Wall L1	2	2	6.05		2.10	50.82	
	L2	2	1	2.38		2.10	10.00	
	L3	2	1	1.75		2.10	7.35	
	Short Wall S1	2	7	1.20		2.10	35.28	
	DEDUCTIONS (-)						0.00	
	Doors	-0.5	8	0.75		2.10	-6.30	
	Ventilator-1	-0.5	4	0.65		0.60	-0.78	

						B	173.29		
						A+B	402.88		
						Quantity up to 125%	286.99	30.0	8,609.70
						Quantity above 125%	115.89	38.71	4,485.72
48	KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after thoroughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. Page No. 117 / Item No. 15.49.1, PWD SR 2016-17								
	<u>G.K.V.K</u>	Sqm							
	Toilet	1	9.48	1.70			16.12		
	Passage	2	5.20	0.80			8.32		
	<u>AMRUTHALLI</u>								
	Toilet	1	3.75	1.40			5.25		
		1	3.75	1.50			5.63		
	Passage	2	0.90	4.30			7.74		
	<u>Sahakarnagara</u>								
	Toilet	1	8.00	1.30			10.40		
		1	2.00	1.50			3.00		
	Passage	2	5.30	1.30			13.78		
	<u>G.K.V.K</u>								
	Long Wall								
		2	10.80			3.00	64.80		
		4	5.20			2.10	43.68		
	Short Wall								
		4	2.40			3.00	28.80		
		10	1.30			2.10	27.30		
	DEDUCTIONS (-)								
	Rolling Shutters	0.5	-2	1.80		2.10	-3.78		
	Doors	0.5	-8	0.80		2.10	-6.72		
	Ventilator-1	0.5	-8	0.60		0.90	-2.16		
	Ventilator-2	0.5	-4	1.00		0.60	-1.20		
	<u>AMRUTHALLI</u>								
	Long Wall	2	5.46			3.00	32.76		
	Short Wall								
		4	4.20			3.00	50.40		
		8	1.50			2.10	25.20		
		4	4.20			2.10	35.28		
	DEDUCTIONS (-)								
	Rolling Shutters	0.5	-2	1.25		2.10	-2.63		
	Doors	0.5	-6	0.60		2.10	-3.78		
	Ventilator-1	0.5	-4	1.80		0.45	-1.62		
	<u>Sahakarnagara</u>								
	Long Wall	2	10.90			3.00	65.40		
		4	5.50			2.10	46.20		
	Short Wall								
		4	2.80			3.00	33.60		
		12	1.50			2.10	37.80		
	DEDUCTIONS (-)								
	Rolling Shutters	0.5	-2	1.25		2.10	-2.63		
	Doors	0.5	-6	0.60		2.10	-3.78		
	Ventilator-1	0.5	-4	1.80		0.45	-1.62		
							531.54		
						A	361.08		
							173.29		
	Qty with Item No 47					B	173.29		
						A+B	534.37		
						Quantity up to 125%	451.35	86.0	38,816.10
						Quantity above 125%	83.02	133.06	11,046.11

49	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer. Page No. 117 / Item No. 15.53.2, SR 2016-17.							
	G.K.V.K	Sqm						
	Long Wall	2	11.00		3.75	82.50		
	Short Wall	2	2.60		3.75	19.50		
	Deductions (-)							
	Rolling Shutters	0.5	-2	1.80	2.10	-3.78		
	Ventilator-1	0.5	-8	0.60	0.90	-2.16		
	Ventilator-2	0.5	-4	1.00	0.60	-1.20		
	AMRUTHALLI							
	Long Wall	2	5.66		3.75	42.45		
	Short Wall	2	4.40		3.75	33.00		
	Deductions (-)							
	Rolling Shutters	0.5	-2	1.25	2.10	-2.63		
	Doors	0.5	-6	0.60	2.10	-3.78		
	Ventilator-1	0.5	-4	1.80	0.45	-1.62		
	Sahakarnagara							
	Long Wall	2	11.10		3.75	83.25		
	Short Wall	2	3.00		3.75	22.50		
	Deductions (-)							
	Rolling Shutters	0.5	-2	1.25	2.10	-2.63		
	Ventilator-1	0.5	-6	0.60	2.10	-3.78		
					A	261.63		
	Qty Same as external Plastering					293.86		
					B	293.86		
					A+B	555.49		
					Quantity up to 125%	414.66	102.0	42,295.32
					Quantity above 125%	140.83	123.38	17,374.88
50	KSRB 14.14-5: Providing Ceramic tiles of approved make,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications. - for Ceramic Tiles of size 30x30cms 6mm thick. Page No.106, Item No. 14.36.2, PWD SR 2016-17							
	G.K.V.K	Sqm						
	For Flooring	1	9.48	1.40		13.27		
	Passage	2	5.20	0.80		8.32		
	AMRUTHALLI							
	For Flooring	1	3.75	1.40		5.25		
		1	3.75	1.50		5.63		
	Passage	2	0.90	4.30		7.74		
	Sahakarnagara							
	For Flooring	1	7.50	1.25		9.38		
		1	2.50	1.50		3.75		
	Passage	2	5.30	1.30		13.78		
					A	67.11		
	For Flooring		6.05	5.15		31.16		
					B	31.16		
					A+B	98.27		
51	KSRB 7.1 : Providing and fixing in position collapsible steel shutters with single or double leaf with vertical channel 20mmx10mmx2mm braced with flat iron diagonals 20mmx5mm size, with top and bottom rails of T iron sections of 40x40x6 mm with 38mm dia steel pulleys complete with bolt and nuts, locking arrangements, stoppers, handles on both sides with 7.5cms openings at 10 cms. c to c applying a priming coat of red lead paint. cost of materials, labour, HOM of machinery complete as per specifications. size of gate 2.4mx1.4m. Specification No. KBS 7.7 / 7.12 Page No. 30, Item No. 7.1, PWD SR 2016-17						1400.00	1,37,577.30
	G.K.V.K	Sqm						
	Rolling Shutters	2	1.80		2.10	7.56		
	AMRUTHALLI							
	Rolling Shutters	2	0.90		2.10	3.78		
	Sahakarnagara							

52	Rolling Shutters		2	1.25	2.10	5.25		
					Total Qty	16.59	4850.00	80,461.50
	KSRB 14-17.2 : Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) as per specifications. Specification No.KBS 14.16, 14.17 - Colour glazed tiles 15x15 cms							
	G.K.V.K	Sqm						
	For Flooring		1	38.56	2.10	80.98		
	Passage		2	12.00	2.10	50.40		
	DEDUCTIONS (-)							
	Rolling Shutters	0.5	-2	1.80	2.10	-3.78		
	Doors	0.5	-8	0.80	2.10	-6.72		
	AMRUTHALLI							
	For Flooring		1	32.40	2.10	68.04		
	Passage		2	10.40	2.10	43.68		
	DEDUCTIONS (-)							
	Rolling Shutters	0.5	-2	1.25	2.10	-2.63		
	Doors	0.5	-6	0.60	2.10	-3.78		
	Sahakarnagara							
	For Flooring		1	41.00	2.10	86.10		
	Passage		2	13.20	2.10	55.44		
	DEDUCTIONS (-)							
	Rolling Shutters	0.5	-2	1.25	2.10	-2.63		
	Doors	0.5	-6	0.60	2.10	-3.78		
					A	361.33		
	Outer Walls							
	Long Wall	1	1	6.35	2.70	17.15		
	Short Wall	1	2	5.30	2.70	28.62		
	Front Portion		1	5.30	2.70	14.31		
	Inner Walls							
	Long Wall L1	2	2	6.05	2.10	50.82		
	L2	2	1	2.38	2.10	10.00		
	L3	2	1	1.75	2.10	7.35		
	Short Wall S1	2	7	1.20	2.10	35.28		
	DEDUCTIONS (-)							
	Doors		-8	0.75	2.10	-12.60		
	Doors		-2	1.00	2.10	-4.20		
	Ventilators		-4	0.65	0.60	-1.56		
					B	145.16		
					A+B	506.49	1270.00	6,43,238.49
53	SOLID PVC DOOR FRAME Providing & fixing factory made PVC Door frame of size 50x47mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet metered cut at corners & jointed 2 No.s of 150mm long brackets of 15x15mm M.S Square tube, the entire door frame to be reinforced with 19x19mm M.S Square tube of 19 gauge. The door frame to be fixed to the wall using M.S. Screws of 65/80mm size Page No. 56, Item No. 9.84, PWD SR 2016-17							
	Door Frame	Sqm						
	G.K.V.K		8	0.80	2.10	13.44		
	AMRUTHALLI		6	0.75	2.10	9.45		
	Sahakarnagara		6	0.60	2.10	7.56		
					A	30.45		
	Door Frame		8	0.75	2.10	12.60		
					B	12.60		
					A+B	43.05	641.00	27,595.05

54

SOLID PANEL PVC DOOR SHUTTER Providing & fixing 30mm thick factory made rigid foam Panelled Door Shutters made from M.S. tube of 19 gauge thickness, size 19x19mm fro styles and 15x15mm for top & bottom rails, covered with heat moulded PVC channel of 5mm thick sheet & 30 x 50mm wide to form styles & 5mm thick & 75mm wide PVC Sheets for top rail, lock rail & bottom rail on either side & 5mm thick 20mm wide PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet fitted in the M.S. Frame, Sealed to the styles & rails with 5x30mm PVC sheet beading on either side & joined together with solvent cement adhesive etc., Complete as per manufacturers specification & direction of Engineer-in-charge fixed to frames with 3 nos of 75 m.m Aluminium hinges. Page No. 56, Item No. 9.83, PWD SR 2016-17

Door Shutters	Sqm				
G.K.V.K					
AMRUTHALLI	8	0.80		2.10	13.44
Sahakarnagara	6	0.75		2.10	9.45
	6	0.60		2.10	7.56
				A	30.45
Door Shutters	8	0.75		2.10	12.60
				B	12.60
				A+B	43.05

3850.00 1,65,742.50

55

KSRB 7.7 : Providing and fixing in position in cement concrete 1:3:6 steel glazed windows and ventilators side hung/top hung fully openable as per approved drawings using Z angles of 25x33x3mm, weighing 1.419 Kg/m both for outer and inner frames and central mullion section of size 25x46x3mm, weighing 2.28Kg/m duly providing T section 19x19x3mm weighing 0.839 kg/m for glazing of windows not more than 34 cms. c to c including providing and fixing 4mm. thick reeded glass with teakwood beading of required size, all steel sections should confirm to I.S 7452:1990, 4nos. of holdfasts of approved size, section should be cut to length welded and electrically grinded subdividing frames of unit shall be tenonned and revetted into the frames electrically. All the steel surface shall be throughly cleaned free of rust and painted with one coat of anti-corosive paint and finishing with two coats of ready mix paint of approved colour and make including cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12.1 / 7.12.2 / 7.12.3 / 7.12 Page No. 31, Item No. 707 PWD SR 2016-17

	Sqm				
G.K.V.K					
Ventilator-1	8	0.60		0.90	4.32
Ventilator-2	4	1.00		0.60	2.40
AMRUTHALLI					
Ventilator-1	2	0.90		0.90	1.62
Ventilator-2	6	0.60		0.45	1.62
Sahakarnagara					
Ventilator-1	4	1.80		0.45	3.24
					13.20
				A	10.80
Ventilator-1	4	0.65		0.60	1.56
				B	1.56
				A+B	12.36

4308.00 53,246.88

56

Providing and fixing Chlorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) - 20mm nominal OD pipes. (P.No.96, I.No. 13.86.2 of PWD SR 2016-17)

	Mtrs				
G.K.V.K	1	72.00			72.00
AMRUTHALLI	1	55.00			55.00
Sahakarnagara	1	70.00			70.00
				A	197.00
	1	50.00			50.00
				B	50.00
				A+B	247.00

256.00 63,232.00

57

Providing and fixing Chlorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spat & the cost of cutting chases & making good the same including testing of joints complete. (Concealed (P.No.96, I.No. 13.86.3 of PWD SR 2016-17) - 25mm nominal OD pipes

G.K.V.K**AMRUTHALLI****Sahakarnagara**

Mtrs					
1	72.00				72.00
1	55.00				55.00
1	70.00				70.00
				A	197.00
1	60.00				60.00
				B	60.00
				A+B	257.00

305.00 78,385.00

58

Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot). - 12.5cms x 7.5cms Page No. 88, Item No. 12.113.2, PWD SR 2016-17

GKVK**AMRUTHALLI****SAHAKARNAGARA**

Each					
7	7.00				7.00
6	6.00				6.00
6	6.00				6.00
				A	19.00
10	10.00				10.00
				B	10.00
				A+B	29.00

347.00 10,063.00

59

Providing and fixing 7.5 cms to 15.00 cms dia NP grating 100 mm dia. (P.No. 88, I.No. 12.111 of PWD SR 2016-17)

GKVK**AMRUTHALLI****SAHAKARNAGARA**

Each					
7	7.00				7.00
6	6.00				6.00
6	6.00				6.00
				A	19.00
8	8.00				8.00
				B	8.00
				A+B	27.00

195.00 5,265.00

60

KSRB13-6.3-3 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 25mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.6 / 13.3. (P.No.91/ I.No. 13.34 of CSR 2016-17)

GKVK**AMRUTHALLI****SAHAKARNAGARA**

Each					
14	14.00				14.00
12	12.00				12.00
11	11.00				11.00
				A	37.00
2	2.00				2.00
				B	2.00
				A+B	39.00

732.00 28,548.00

61

KSRB13-8.5 : Providing and fixing to wall, ceiling and floor, low density polyethylene pipes 6.00 kgf/sq.cm working pressure 140mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.15.1 / 13.9 Page No. 93, Item No. 13.70.6, PWD SR 2016-17

GKVK**AMRUTHALLI****SAHAKARNAGARA**

Mtrs					
13	13.00				13.00
11	11.00				11.00
13	13.00				13.00
				A	37.00
50	50.00				50.00
				B	50.00
				A+B	87.00

Quantity up to 125%

Scanned with CamScanner

62

KSRB 12-8.1 : Constructing brick masonry inspection chamber 455x610mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1.5, C.I cover with frame (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1.3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS (P.No. 73/ I.No.11.50 of PWD SR 2016-17)

GKVK	Nos	11				11.00
AMRUTHALLI		9				9.00
SAHAKARNAGARA		13				13.00
				A		33.00
		1				1.00
				B		1.00
				A+B		34.00
					8500.00	2,89,000.00

63

KSRB 11-11.8 : Providing and fixing white vitreous china clay, surgeon type wash basin size 660x460mm with a pair of 15mm C.P brass pillar taps with pair of elbow operated levers, C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. KBS 11 Page No. 81, Item No. 12.30, PWD SR 2016-17

GKVK	Unit	4				4.00
AMRUTHALLI		4				4.00
SAHAKARNAGARA		4				4.00
				A		12.00
		3				3.00
				B		3.00
				A+B		15.00
					5588.00	83,820.00

64

KSRB13-6.1-3 : Providing and fixing in position brass bib cock of approved quality 25mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.2 / 13.3. (P.No.91/ I.No. 13.25 of CSR 2016-17)

GKVK	Each	10				10.00
AMRUTHALLI		10				10.00
SAHAKARNAGARA		10				10.00
				A		30.00
		20				20.00
				B		20.00
				A+B		50.00
					335.00	16,750.0

65

KSRB 11-2 : Providing and fixing white vitreous china clay, water closet Orissa pattern of size 580 x 440mm with integral type footrests, 100mm S or P trap, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11. (P.No. 77, I.No.12.2 of PWD SR 2016-17)

GKVK	Each	7				7.00
AMRUTHALLI		6				6.00
SAHAKARNAGARA		6				6.00
				A		19.00
		3				3.00

66	KSRB 13-11.1 : Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications. (For 1000 litre capacity) Specification No.KBS 13.22 Page No. 94, Item No. 13.78, PWD SR 2016-17							
	<u>GKVK</u>	No's	2				2.00	
	<u>AMRUTHALLI</u>		2				2.00	
	<u>SAHAKARNAGARA</u>		2				2.00	
						A	6.00	
			1				1.00	
						B	1.00	
						A+B	7.00	10333.00 72,331.00
67	KSRB 11-15.3 : Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications. (P.No.82, I.No. 12.41 of PWD SR 2016-17)							
	<u>GKVK</u>	Unit	2				2.00	
	<u>AMRUTHALLI</u>		2				2.00	
	<u>SAHAKARNAGARA</u>		2				2.00	
						A	6.00	
			3				3.00	
						B	3.00	
						A+B	9.00	1440.00 12,960.00
E1	KSRB 11-5 : Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11. Page No. 79, Item No. 12.50. PWD SR 2018-19							
		Each	5				5.00	
							5.00	5994.78 29,973.89
E2	KSRRB M200-13.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. II. By Mechanical Means. A. Cement Concrete Grade M-15 & M-20. MORTH Specification No. 202. Page No. 139, Item No. 18.20, PWD SR 2018-19							
		Cum						
	Existing Building							
	Parapet Wall	1	37.00	0.10	1.00		3.70	
	Outer Walls	2	12.00	0.15	3.00		10.80	
		2	6.50	0.15	3.00		5.85	
	Inner Walls	3	6.53	0.10	2.10		4.11	
		12	1.30	0.10	2.10		3.28	
	Slab	1	12.00	6.50	0.15		11.70	
	Lintel	1	37.00	0.15	0.15		0.83	
	Plinth Beam	1	37.00	0.30	0.45		5.00	
	Roof Beam	1	37.00	0.30	0.45		5.00	
	SSM	1	36.15	0.45	0.45		7.32	
							57.58	540.69 31,134.51
E3	Supplying of 1440rpm heavy duty exhaust fan with bracket blades suitable to operate on 230V 50Hz, AC Supply complete. 12" Sweep (300mm). Item No. 7.2.1, Electrical SR 2019-20							
		Each	3				3.00	
							3.00	2100.00 6,300.00

E4	KSRB 11-7.4 : Providing and fixing white vitreous china clay, flat back, lipped front urinal basin of 430x260x350mm in the range of four with 10 litres PVC automatic flushing cistern, C.I / M.S brackets, standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps complete painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11								
			4				4.00		
							4.00	8577.27	34,309.09
E5	Providing and laying flooring using prepolished, water cut/gang saw 19mm thick granite laid over bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to match shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials and labours etc., complete as per specifications. - using silver grey granite / Multy Red / Ruby Red / Black / HassanGreen Granite of width not less than 1200mm (P.No.107, I.No.14.47.1 of PWD SR 2015-16)								
	For Urinals		4	1.20			4.80		
							4.80	3313.09	15,902.85
								Total Amount	24849915.74

Certificate:

- 1 The work spot has been inspected and the work is found necessary.
- 2 This estimate is prepared as per PWD SR of 2016-17.
- 3 The provisions were made in this estimate are necessary and adequate.
- 4 This works come under B.B.M.P. limits.

M. H. N. D.
Assistant Engineer
Ward No. 07

C. S.
Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Kodigehalli Sub Division
M. Chandra Kumar
Executive Engineer - 13/4
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Technical Sanction
Accorded For *RS 24,84,9915.74*
Head of A/C. *P. L. R. K. N. a*
CER NO : *64* Dt: *13.01.2021*

P. L. R. K. N. a
CE (YNR)